

## ABSTRACT OF THE DISCLOSURE

A leading wave position detecting unit and method etc. is provided for detecting the position of the leading wave in a delay profile. Time spaces between sampled values ( $\tau_1 - \tau_{13}$ ) in the delay profile are measured. Among the measured time spaces, a maximum time space ( $\tau_8$ ) is determined, and the position of its immediately following sampled value (sampled value (h)) is detected as a leading position. The initial peak of the sampled values after the leading position detected (position of sampled value (j)) is determined as a leading wave position.